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Structural Testing of Radomes '3' and '4'  
 Electronic Equipment Pod, Technical Report Part XI

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13. Abstract

Structural testing of radomes '3' and '4' was carried out to evaluate the design. Pressure loading on these radomes in the presence of wing was estimated through wind tunnel testing. Structural tests were carried out by subjecting the radomes to external and internal pressures. The radomes were mounted on to a mock-up of metal capsule and trapeze unit. Metal Capsule was simulated by a geometrically similar metal shell. Radome '3' was subjected to external pressure whereas radome '4' was subjected to internal pressure. Maximum deflections in radomes were within 0.5 mm.